

Converting Colors

$Y_{xy}(20.4270, 0.5208, 0.2852)$

Have a look what the booklet for
Yxy(20.4270, 0.5208, 0.2852)
contains.

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Color

Yxy(20.3473, 0.5213, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	EA2E63
RGB	234, 46, 99
RGB Percent	92%, 18%, 39%
CMY	0.0825, 0.8193, 0.6118
CMYK	0.00, 0.80, 0.58, 0.08
HSL	343°, 82%, 55%
HSV	343°, 80%, 92%
XYZ	37.1525, 20.3473, 13.7692
YIQ	108.2540, 95.0350, 56.3390

Conversions

Conversions Part 2

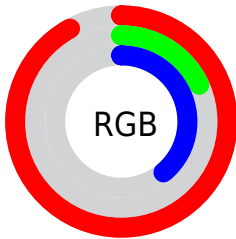
Format	Color
R_{YB}	234, 46, 99
Decimal	15347299
CIE _{Lab}	52.23, 71.50, 17.25
CIE _{LCh}	52, 73.550, 13.561
Yxy	20.3473, 0.5213, 0.2855
Android (android.graphics.Color)	4293537379 (0xFFEA2E63)
YUV	108.2540, -4.5622, 110.2792
Hunter-Lab	45.1080, 68.0800, 13.4774

Details

The Yxy color **20.3473, 0.5213, 0.2855** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **62.7497, 0.2502, 0.4036**, and the grayscale version is **15.0760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7988, 0.4379, 0.2911**, and **8.9150, 0.5713, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **18.6995, 0.5569, 0.2913**, and if you desaturate by 10%, it is **23.0594, 0.4835, 0.2843**.

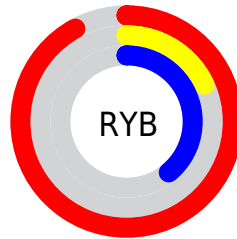
Distribution



Red (92%)

Green (18%)

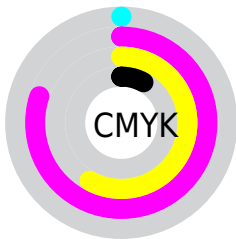
Blue (39%)



Red (92%)

Yellow (18%)

Blue (39%)

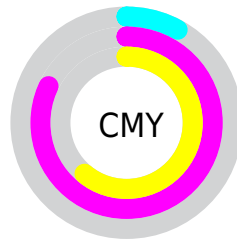


Cyan (0%)

Magenta (80%)

Yellow (58%)

Black (8%)



Cyan (8%)

Magenta (82%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3473, 0.5213, 0.2855 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.3473, 0.5213, 0.2855 by changing the saturation by 10% instead.


 20.3473, 0.5213,
0.2855


 20.3473, 0.5213,
0.2855


253.7891, 0.4035,
0.3148


 12.6477, 0.5547,
0.2751


 43.9987, 0.4754,
0.2983

 7.1864, 0.5994,
0.2598


 60.7193, 0.4590,
0.3024

 3.5790, 0.6608,
0.2358

 81.2158, 0.4456,
0.3056

 1.4410, 0.7623,
0.2004

 105.8724, 0.4344,
0.3082

 0.2466, 0.9124,
0.0876

 135.0737, 0.4249,
0.3103

 0.0000, 1.0000,
0.0000

169.2040, 0.4167,

 0.0000, 0.0000,

0.3121

0.0000

208.6476, 0.4097,
0.3135

■ 20.3473, 0.5213,
0.2855

■ 20.3473, 0.5213,
0.2855

■ 18.6995, 0.5569,
0.2913

■ 23.0594, 0.4835,
0.2843


■ 17.8789, 0.5863,
0.3004


■ 26.9776, 0.4469,
0.2869


■ 32.2254, 0.4139,
0.2922

■ 38.9100, 0.3855,
0.2990

■ 47.1276, 0.3616,
0.3066

 56.9659, 0.3420,
0.3143

 68.5060, 0.3261,
0.3218

 81.8238, 0.3131,
0.3288

 95.9262, 0.3025,
0.3337

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.3473, 0.3950, 0.2180



20.3473, 0.5213, 0.2855



20.3473, 0.5661, 0.3614

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.3473, 0.5213, 0.2855



20.3473, 0.3138, 0.5824



20.3473, 0.1226, 0.1608

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.3473, 0.5213, 0.2855



62.7497, 0.2502, 0.4036

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.3473, 0.1107, 0.2122



20.3473, 0.5213, 0.2855



20.3473, 0.2062, 0.4939

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.3473, 0.5213, 0.2855



20.3473, 0.4266, 0.5381



20.3473, 0.1350, 0.3275



20.3473, 0.1695, 0.1503

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.3473, 0.5213, 0.2855



20.3473, 0.5442, 0.4171



20.3473, 0.1350, 0.3275



20.3473, 0.1150, 0.1724

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.3485, 0.5213, 0.2855



64.4592, 0.3490, 0.3114



17.6915, 0.2640, 0.1341



12.8900, 0.3561, 0.3086



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3485, 0.5213, 0.2855



22.0477, 0.5761, 0.2970



24.4684, 0.5593, 0.3620



15.1238, 0.3249, 0.3224



10.0686, 0.5823, 0.2982



0.8066, 0.5429, 0.2765

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.3485, 0.5213, 0.2855



22.0477, 0.5761, 0.2970



44.7770, 0.2134, 0.2722



15.1238, 0.3249, 0.3224



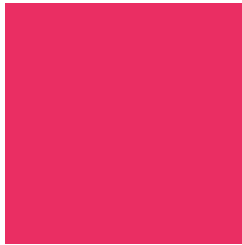
10.0686, 0.5823, 0.2982



0.8066, 0.5429, 0.2765

Previews

White Background



This preview shows how the Yxy color 20.3473, 0.5213, 0.2855 looks on a white background.

Color Contrast Check

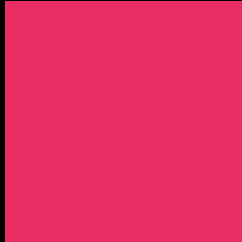
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 20.3473, 0.5213, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3473, 0.5213, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 20.3473, 0.5213, 0.2855.



This preview shows how white text looks on a background with the Yxy color 20.3473, 0.5213, 0.2855.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.3473, 0.5213, 0.2855

Protanopia

20.4780, 0.2996, 0.3073

Deuteranopia

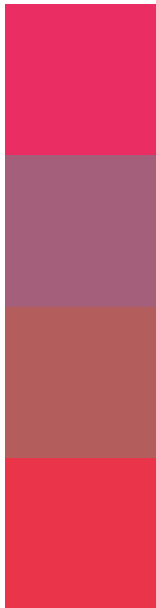
20.5607, 0.3877, 0.3804



Tritanopia

20.2896, 0.5738, 0.3283

Trichromacy



Original Color

20.3473, 0.5213, 0.2855

Protanomaly

17.6883, 0.3739, 0.2867

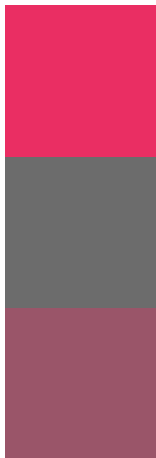
Deuteranomaly

18.3223, 0.4443, 0.3294

Tritanomaly

20.2607, 0.5577, 0.3136

Monochromacy



Original Color

20.3473, 0.5213, 0.2855

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.3869, 0.3931, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3473, 0.5213, 0.2855 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 46, 99)` looks like.

```
.text, #text, p{  
    color:rgb(234, 46, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 46, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 46, 99) }
```

Border

The CSS property to change the border of an element to Yxy 20.3473, 0.5213, 0.2855 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 46, 99) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 46, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 46, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 46, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 46, 99);  
box-shadow:4px 4px 4px 4px rgb(234, 46,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3473, 0.5213, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 46, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234, 46,  
99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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